

## **Project Summary**

### **I. INTRODUCTION**

Farmland Foods, Inc. has submitted an Application for the renewal of their Federally Enforceable State Operating Permit (FESOP). This Application has been submitted in order to continue to operate under federally enforceable limits. These limits would prevent the facility from being a major source of Sulfur Dioxide (SO<sub>2</sub>), and thereby relieving them of having to obtain a Clean Air Act Permit Program (CAAPP). Included with these federally enforceable limits would be specific recordkeeping and reporting requirements to assure that the facility is operated as a non-major source. These conditions would be enforced by both the USEPA and Illinois EPA.

### **II. SOURCE DESCRIPTION**

Farmland Foods, Inc. is located in Monmouth, Illinois. This facility is a pork processing plant. The hogs are slaughtered, then the hair is removed via the hog singer. The removed hair is then processed in the hair hydrolizer. Edible material is processed in the edible rendering cookers to produce lard. Hog parts and leftover material from the edible rendering that are not fit for human consumption are processed in the inedible rendering for animal feed. The meat from the hogs are sanitized and then is processed. After processing the meat is smoked in the 3 smokehouses using natural gas and chipped wood.

### **III. EMISSIONS**

Emissions of Carbon Monoxide (CO), Nitrogen Oxides (NO<sub>x</sub>), Sulfur Dioxide (SO<sub>2</sub>), Volatile Organic Material (VOM), and Particulate Matter (PM) are by products of the combustion of fuel oil and natural gas.

Primary emissions from the smokehouse are Particulate Matter (PM) and Volatile Organic Material (VOM). This is due to heating/burning of the chipped wood in the smokehouses.

The primary source of Volatile Organic Material comes from the treatment of the wastewater. The treatment process consists of removal of solids and recovery of brown grease prior to release into the municipally owned wastewater treatment plant.

### **IV. APPLICABLE EMISSION STANDARDS**

All emission sources in Illinois must comply with the emission standards set by the Illinois Pollution Control Board. The Pollution Control Board's emission standards represent the basic requirements for sources in Illinois. The Pollution Control Board

has emission standards for VOM and HAPs. Farmland Foods, Inc. readily complies with all emission standards set forth by the Pollution Control Board.

V. PROPOSED PERMIT

The conditions in this FESOP are designed to ensure that this facility is continually operated as a non-major source. This permit has conditions that limit the usage of inks, coatings, and clean-up solvents. This permit also contains conditions of specific recordkeeping and reporting requirements. Farmland Foods, Inc. must carry out these procedures on an ongoing basis to demonstrate compliance with the limits set forth in this FESOP.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA preliminary determination that the facility meets all applicable state and federal air pollution control regulations. The Illinois EPA is therefore proposing the issuance of this FESOP with all of the specific requirements contained in the permit. Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on this draft FESOP. If substantial interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Ad. Code Part 166.

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